

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method for communicating between a client device and a peripheral device over a network that includes the peripheral device, the client device, and a server device adapted to control the peripheral device, wherein the method is performed by the client device, the method comprising:
  - creating a print job, wherein the print job is to be sent to the peripheral device;
  - determining a network address of the peripheral device by the client device in response to the creation of the print job, wherein the peripheral device has a network address that is not known to the client device, and wherein determining includes:
    - retrieving a first data file from the server device by the client device, wherein the first data file is a web page;
    - ~~identifying~~ parsing by the client device ~~one or more portions of the retrieved first data file~~ into one or more portions as potential network addresses, wherein the one or more portions comprise metatags, text blocks or sub-routines that have been extracted from the web page;
    - comparing by the client device the one or more portions ~~potential network addresses~~ of the retrieved first data file with a predetermined data formatting pattern indicative of a network address, wherein all of the metatags, text blocks or sub-routines are compared with the formatting pattern;
    - identifying by the client device one or more portions ~~potential network addresses~~ of the retrieved first data file as network addresses; and
    - determining by the client device if a network address is the network address of the peripheral device, wherein determining includes sending a communication over the network;

addressing the peripheral device using the determined network address of the peripheral device; and  
communicating directly with the peripheral device, thereby bypassing the server device.

2. (Currently Amended) The method of claim 1, wherein said first data file includes [(a)] the network address of the peripheral device, and wherein said step of determining the network address of the peripheral device comprises comparing portions of said first data file with said pattern.

3. (Currently Amended) The method of claim 2, wherein said step of determining the network address of the peripheral device further comprises recognizing a match between a portion ~~potential network address~~ of said first data file and said pattern, identifying the portion ~~potential network address~~ as a network address, and identifying said network address as being the network address of the peripheral device.

4. (Currently Amended) The method of claim 1, wherein said first data file includes [(b)] the network address of a second data file associated with and including the network address of the peripheral device, and wherein said step of determining the network address of the peripheral device comprises:

retrieving the second data file from the server device, wherein the second data file is a web page;  
identifying one or more portions of the retrieved second data file as potential network addresses; and  
comparing portions of said second data file with said pattern.

5. (Previously Presented) The method of claim 4, wherein said step of determining the network address of the peripheral device further comprises recognizing a match between a

potential network address of said second data file and said pattern, identifying the potential network address as a network address, and identifying said network address as being the network address of the peripheral device.

6. (Previously Presented) The method of claim 5, wherein said step of determining if a network address is the network address of the peripheral device further comprises testing said network address to determine whether said network address is the network address of the peripheral device.

7. (Original) The method of claim 6, wherein said testing comprises sending a command to said network address.

8. (Previously Presented) The method of claim 6, wherein said step of determining if a network address is the network address of the peripheral device further comprises identifying said network address as being the network address of the peripheral device as a result of said testing.

9. (Currently Amended) A memory readable by a machine embodying a program of instructions executable by the machine to facilitate communication between a client device and a peripheral device over a network that includes the peripheral device, the client device, and a server device adapted to control the peripheral device, the instructions being configured to:

create a print job, wherein the print job is to be sent to the peripheral device;

determine a network address of the peripheral device by the client device in response to

the creation of the print job, wherein the peripheral device has a network address that is not known to the client device, and wherein determining includes:

retrieving a first data file from the server device by the client device, wherein the first data file is a web page;

~~identifying parsing by the client device one or more portions of the retrieved first~~  
~~data file into one or more portions as potential network addresses, wherein~~  
~~the one or more portions comprise metatags, text blocks or sub-routines~~  
~~that have been extracted from the web page;~~

comparing by the client device the one or more portions ~~potential network~~  
~~addresses~~ of the retrieved first data file with a predetermined data  
formatting pattern indicative of a network address, wherein all of the  
metatags, text blocks or sub-routines are compared with the formatting  
pattern;

identifying by the client device one or more portions ~~potential network addresses~~  
of the retrieved first data file as network addresses; and

determining by the client device if a network address is the network address of the  
peripheral device, wherein determining includes sending a communication  
over the network;

address the peripheral device using the determined network address of the peripheral  
device; and

communicate directly with the peripheral device, thereby bypassing the server device.

10. (Currently Amended) The memory of claim 9, wherein said first data file includes [(a)]  
the network address of the peripheral device, and wherein said step of determining the network  
address of the peripheral device comprises comparing portions of said first data file with said  
pattern.

11. (Currently Amended) The memory of claim 10, wherein said step of determining the  
network address of the peripheral device further comprises recognizing a match between a  
portion ~~potential network address~~ of said first data file and said pattern, identifying the portion

~~potential network address~~ as a network address, and identifying said network address as being the network address of the peripheral device.

12. (Currently Amended) The memory of claim 9, wherein said first data file includes [(b)] the network address of a second data file associated with and including the network address of the peripheral device, and wherein said step of determining the network address of the peripheral device comprises:

retrieving the second data file from the server device, wherein the second data file is a web page;  
identifying one or more portions of the retrieved second data file as potential network addresses; and  
comparing portions of said second data file with said pattern.

13. (Previously Presented) The memory of claim 12, wherein said step of determining the network address of the peripheral device further comprises recognizing a match between a potential network address of said second data file and said pattern, identifying the potential network address as a network address, and identifying said network address as being the network address of the peripheral device.

14. (Previously Presented) The memory of claim 13, wherein said step of determining if a network address is the network address of the peripheral device further comprises testing said network address to determine whether said network address is the network address of the peripheral device.

15. (Previously Presented) The memory of claim 14, wherein said testing comprises sending a command to said network address.

16. (Previously Presented) The memory of claim 14, wherein said step of determining if a network address is the network address of the peripheral device further comprises identifying said network address as being the network address of the peripheral device as a result of said testing.

17. (Currently Amended) A computing device for communicating with a peripheral device over a network that includes the peripheral device, the computing device, and a server device adapted to control the peripheral device, comprising:

means for creating a print job, wherein the print job is to be sent to the peripheral device;

means for determining a network address of the peripheral device by the client device in response to the creation of the print job, wherein the peripheral device has a network address that is not known to the client device, and wherein determining includes:

retrieving a first data file from the server device by the client device, wherein the first data file is a web page;

~~identifying parsing by the client device one or more portions of the retrieved first~~  
data file as potential network addresses into one or more portions, wherein the one or more portions comprise metatags, text blocks or sub-routines that have been extracted from the web page;

comparing by the client device the one or more portions ~~potential network~~  
~~addresses~~ of the retrieved first data file with a predetermined data formatting pattern indicative of a network address, wherein all of the metatags, text blocks or sub-routines are compared with the formatting pattern;

identifying by the client device one or more portions ~~potential network addresses~~  
of the retrieved first data file as network addresses; and

determining by the client device if a network address is the network address of the peripheral device, wherein determining includes sending a communication over the network;

means for addressing the peripheral device using the determined network address of the peripheral device; and

means for communicating directly with the peripheral device, thereby bypassing the server device.

18. (Currently Amended) The computing device of claim 17, wherein said first data file includes [(a)] the network address of the peripheral device, and wherein said means for determining the network address of the peripheral device comprises comparing portions of said first data file with said pattern.

19. (Currently Amended) The computing device of claim 18, wherein said means for determining the network address of the peripheral device further comprises means for recognizing a match between a portion ~~potential network address~~ of said first data file and said pattern, means for identifying the portion ~~potential network address~~ as a network address, and means for identifying said network address as being the network address of the peripheral device.

20. (Currently Amended) The computing device of claim 17, wherein said first data file includes [(b)] the network address of a second data file associated with and including the network address of the peripheral device, and wherein said means for determining the network address of the peripheral device comprises:

means for retrieving the second data file from the server device, wherein the second data file is a web page;

means for identifying one or more portions of the retrieved second data file as potential network addresses; and

means for comparing portions of said second data file with said pattern.

21. (Previously Presented) The computing device of claim 20, wherein said means for determining the network address of the peripheral device further comprises means for recognizing a match between a potential network address of said second data file and said pattern, means for identifying the potential network address as a network address, and means for identifying said network address as being the network address of the peripheral device.

22. (Previously Presented) The computing device of claim 21, wherein said means for determining if a network address is the network address of the peripheral device further comprises means for testing said network address to determine whether said network address is the network address of the peripheral device.

23. (Previously Presented) The computing device of claim 22, wherein said means for testing comprises means for sending a command to said network address.

24. (Previously Presented) The computing device of claim 22, wherein said means for determining if a network address is the network address of the peripheral device further comprises means for identifying said network address as being the network address of the peripheral device as a result of the determination performed by said means for testing.

25. (Previously Presented) The method of claim 1, wherein the first data file is a network logical printer web page.

26. (Previously Presented) The method of claim 1, wherein the first data file is a custom network logical printer web page.



27. (Previously Presented) The method of claim 1, wherein the first data file is an embedded device web page.
28. (Previously Presented) The method of claim 4, wherein the second data file is an embedded device web page.
29. (Previously Presented) The method of claim 28, wherein the first data file is a network logical printer web page.
30. (Previously Presented) The method of claim 28, wherein the first data file is a printing services web page.
31. (Previously Presented) The method of claim 1, wherein the peripheral device is a multi-function peripheral (MFP) communication.
32. (Previously Presented) The method of claim 1, wherein the print job is a device management protocol.
33. (Previously Presented) The method of claim 1, wherein determining by the client device if a network address is the network address of the peripheral device comprises pinging the peripheral device.
34. (Previously Presented) The method of claim 1, wherein determining by the client device if a network address is the network address of the peripheral device comprises issuing a Simple Network Management Protocol (SNMP) query to the peripheral device.

35. (New) A method for communicating between a client device and a peripheral device over a network that includes the peripheral device, the client device, and a server device adapted to control the peripheral device, wherein the peripheral device is a multi-function peripheral (MFP), wherein the method is performed by the client device, the method comprising:

- creating a print job, wherein the print job is to be sent to the peripheral device;
- determining a network address of the peripheral device by the client device in response to the creation of the print job, wherein the peripheral device has a network address that is not known to the client device, and wherein determining includes:
  - retrieving a first data file from the server device by the client device, wherein the first data file is a web page, wherein the web page is a network logical printer web page, a custom network logical printer web page, or an embedded device web page;
  - parsing by the client device the retrieved first data file into one or more portions, wherein the one or more portions comprise metatags, text blocks or sub-routines that have been extracted from the web page;
  - comparing by the client device the one or more portions of the retrieved first data file with a predetermined data formatting pattern indicative of a network address, wherein all of the metatags, text blocks or sub-routines are compared with the formatting pattern;
  - recognizing a match between a portion of said first data file and said pattern;
  - identifying by the client device one or more portions of the retrieved first data file as network addresses;
  - retrieving the second data file from the server device, wherein the second data file is a web page;
  - identifying one or more portions of the retrieved second data file as potential network addresses; and comparing portions of said second data file with said pattern;

recognizing a match between a potential network address of said second data file  
and said pattern; and  
determining by the client device if a network address is the network address of the  
peripheral device, wherein determining includes sending a communication  
over the network, wherein sending the communication comprises one of  
the following:  
a Simple Network Management Protocol (SNMP) query to the  
peripheral device;  
pinging the peripheral device; or  
sending a command to the peripheral device;  
addressing the peripheral device using the determined network address of the peripheral  
device; and  
communicating directly with the peripheral device, thereby bypassing the server device.